

PATENT CLAIMS

1. A device (01, 20, 22) for driving away insects (03, 08) moving
5 along the ground, in particular, termites, in order to protect
buildings or building parts, with a support element (12, 21, 23)
made from an electrical insulating material and at least two e-
lectrical conductive elements (04, 05, 06) arranged spaced-apart
thereon parallel to one another, between which an electrical
voltage can be applied by means of a voltage source,
10
characterized in that,

the distance between the conductive elements (04, 05, 05) is at
least minimally smaller than the length of the insects (03, 08)
15 to be driven away, so that the insects (03, 08), upon passing
the support element (12, 21, 23) in a direction transverse to
the conductive elements (04, 05, 06) form a current-conducting
connection between the conductive elements (04, 05, 06), wherein
the conductive elements (04, 05, 06) run vertically offset in
20 different heights, and wherein between the lower most conductive
element (06) and the surface (07) lying thereunder, at least one
minimal height difference is provided.
2. The device according to claim 1, characterized in that the
25 support element (12, 21, 23) is formed as a smooth surface on
the side of the conductive elements (04, 05, 06).
3. The device according to claim 1 or 2, characterized in that a
connecting surface (09, 10) extends upwardly between the conduc-
30 tive elements (04, 05, 06) or hangs over the surface (07).
4. The device according to one of claims 1 through 3, characterized
in that with the formation of an intermediate chamber above the
conductive elements (04, 05, 06), a protective element (11) is
35 arranged, which protects the conductive elements (04, 05, 06)
from moisture.

5. The device according to claim 4, characterized in that the protective element (11) extends at least partially downwardly.
- 5 6. The device according to one of claims 1 through 5, characterized in that the support element (23) is formed in the manner of an elastically deformable film at least along its longitudinal axis running parallel to the conductive elements (04, 05, 06).
- 10 7. The device according to one of claims 1 through 5, characterized in that the support element (21) is formed in the manner of a stably formed profile strip, whose lower end can be pressed into the ground (14).
- 15 8. The device according to one of claims 1 through 5, characterized in that the support element (12) is formed in the manner of a profile strip, which is attachable to a barrier device (02) that is a natural barrier for the insects.
- 20 9. The device according to claim 8, characterized in that the barrier device (02) is formed in the manner of a square timber.
- 25 10. The device according to claim 8 or 9, characterized in that on the barrier device (02), a film (13) extending downwardly into the ground is attached.
- 30 11. The device according to one of claims 8 through 10, characterized in that the support element (12) is formed in the manner of an angular profile, wherein on the outer side of one of the legs (14), the conductive elements (04, 05, 06) are arranged, and wherein the inner sides of both legs (15, 16), upon attachment of the support element (12), come into contact at least partially on the barrier device.
- 35 12. The device according to claim 11, characterized in that at least one leg (16) of the angular profile has recesses, in order to attached the profile strip by mounting of attachment means, in particular, screws or nails, to the barrier device (02).

13. The device according to claim 11 or 12, characterized in that the inner sides of the two legs (15, 16) of the angular profile form an angle less than 90° , wherein both legs (15, 16) are connected at least partly elastically deformably with one another.
14. The device according to one of claims 11 through 13, characterized in that on the lower end of one of the legs (15), an elastic sealing element (17), in particular, a sealing lip made of rubber, is formed.
15. The device according to one of claims 1 through 14, characterized in that the end of the support element (12, 21) can be connected by means of a coupling device (18) with a further profile strip, whereby an electrical connection between associated conductive elements (04, 05, 06) is formed.
16. The device according to claim 15, characterized in that the coupling device (18) can be attached to the ends of the support element (12, 21).
17. The device according to one of claims 1 through 16, characterized in that the conductive elements (04, 05, 06) have a spacing of 5 to 50 mm, in particular, a spacing of 10 to 20 mm.
18. The device according to one of claims 1 through 17, characterized in that the conductive elements (04, 05, 06) are formed by conductive wires, in particular, made from copper or aluminum.
19. The device according to one of claims 1 through 18, characterized in that between the conductive elements (04, 05, 06), a supply voltage of 200V to 5000V is applied.
20. The device according to one of claims 1 through 19, characterized in that with formation of a current-conducting connection between the conductive elements (04, 05, 06), a current with a power of 0.1 to 0.6 Joules flows.

21. The device according to one of claims 1 through 20, characterized in that the support element (21) is made from thermoplastic plastic, in particular, PVC.
- 5 22. The device according to one of claims 1 through 21, characterized in that on the device (25, 27), four conductive elements (26, 28) are provided, which extend parallel to one another along the longitudinal axis of the device (25, 27).
- 10 23. The device according to one of claims 1 through 22, characterized in that conductive elements (26, 28) adjacent to one another are connected with different polarity to the voltage source.
- 15 24. The device according to one of claims 1 through 23, characterized in that the conductive elements (26) are formed to be wavy along their longitudinal axes.
- 20 25. The device according to one of claims 1 through 23, characterized in that the conductive elements (28) are formed to be forked along their longitudinal axes.
- 25 26. The device according to one of claims 1 through 23, characterized in that the forked section of the conductive elements (28) run at an angle of 5° to 22° , in particular, at an angle of approximately 16° .